

Land Disturbance Runoff Control

Roger Korenberg

Environmental Engineer

Environmental Assistance Office

Storm water Workshop



Missouri
Department of
Natural Resources

Agenda

Land Disturbance Runoff Control
Post-Construction Runoff Control
Best Management Practices
Questions

Storm water Workshop



Missouri
Department of
Natural Resources

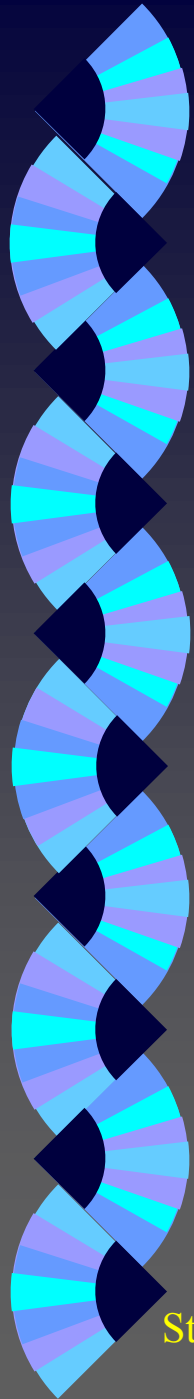
What are the Guidelines?

1. Have ordinance or other regulatory mechanism.
2. Have procedures for site plan review.
3. Have procedures for inspection & enforcement.
4. Have penalties.

What are the Guidelines?

5. Have procedures for information (complaints) submitted by public.
6. Determine appropriate Best Management Practices (BMPs).
7. Control polluted runoff to “Maximum extent practicable”

Post-construction Storm water Management



Storm water Workshop



Missouri
Department of
Natural Resources

What are the Guidelines?

1. Strategies for structural and non-structural BMPs (long term plan).
2. Have ordinance or other regulatory mechanism.

Storm water Workshop



Missouri
Department of
Natural Resources

What are the Guidelines?

3. Ensure long-term operation and maintenance.
4. Determine appropriate BMPs

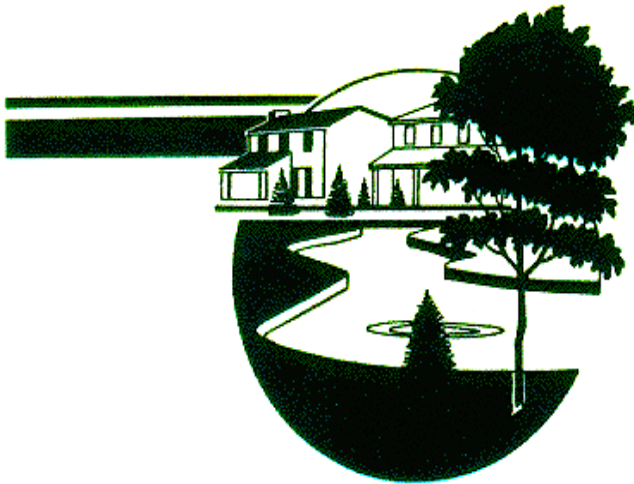
Storm water Workshop



Missouri
Department of
Natural Resources

Storm water Management Techniques

Protecting Water Quality



**Use best
management
practices (BMPs)**

A field guide to erosion,
sediment and storm water
best management practices
for development sites in
Missouri

Storm water Workshop



Missouri
Department of
Natural Resources

Questions?

Storm water Workshop



Missouri
Department of
Natural Resources

Postscript

Storm water Workshop



Missouri
Department of
Natural Resources

Storm Water Management

Successful storm water practices:

1. Get a reasonable amount of water back into the ground,
2. Convey leftover water to stream courses without undue erosion, sedimentation, habitat degradation or flooding.

Storm water Workshop



Missouri
Department of
Natural Resources

What are Appropriate Land Disturbance Goals?

Target Date

Activity

1 Year

Ordinance in place

Procedures for information

2 Year

Procedures for site inspections

Establish rate of compliance

3 Year

Increase rate of compliance

Storm water Workshop



Missouri
Department of
Natural Resources

What are Appropriate Post-Construction Goals?

Target Date

Activity

1 Year

Strategies developed including BMPs

2 Year

Strategies in ordinances

3 Year

Reduced percent of new impervious surfaces

4 Year

Improved water quality

Storm water Workshop



Missouri
Department of
Natural Resources

Local Assistance is Available

Missouri Department of Conservation
Natural Resources Conservation Service
Missouri Department of Natural
Resources

Storm water Workshop



Missouri
Department of
Natural Resources

Land Disturbance Summary Thoughts

Some practices are bad

Some practices are good

No practice is good if it is not used in the
right situation, constructed properly
and maintained well

Storm water Workshop



Missouri
Department of
Natural Resources
